

30701 Field Flowers

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Sow the seeds of creativity with the LEGO® Botanicals Field Flowers (30701) building kit for girls and boys aged 9 and up. This wildflower posy is blooming with authentic details, and plant enthusiasts can enjoy building a dandelion puffball, a dandelion flower and an ear of wheat before putting it on display. A fun project for kids and nature-lovers of all ages, this LEGO flower set is sure to delight when given as a gift or treat.

Authentic details – Budding florists can build a posy that includes a dandelion clock, a dandelion flower and an ear of wheat.

Arrange the flowers – Once the flowers are built, budding florists can arrange them and place them in their favorite vase. (which is not included)

Home decor – The flowers become nature-inspired home decor that will spark joy in any bedroom or office.

Nature gift – Give this flower building set as a gift for kids or adults, or as a small gesture with a big impact for anyone who appreciates floral decor

The LEGO® Botanicals Field Flowers building kit for girls and boys aged 9 and up contains 77 pieces.

Welcome to Text-Based Building Instructions from Bricks for the Blind. Here is some helpful information on how to best use screen readers and browsers: bricksfortheblind.org/help-with-screen-readers. Before you start building, here are some terms we will be using:

- In Front of/Front: towards you.
- Behind/Back: away from you.
- Up: towards the ceiling.
- Down: towards the floor.
- Stud: the bump on a LEGO brick. Example: A 2x1 brick has two studs on it.
- Vertically: with the longest side going from front to back
- Horizontally: with the longest side going from left to right.
- Upright: pointing up towards the ceiling.
- Standing upright: The piece is perpendicular to the ground, like a wall.
- Lying flat: The piece is parallel to the ground, like a piece of toast which fell off the table.
- That one/ppp: previously placed piece.
- Plate: piece with studs.
- Tile: smooth piece without studs (unless otherwise specified)
- A jumper plate is a 1x2 plate with a single stud on top, or a 1x3 plate with only two studs on top.
- "Anti-stud" is a term for the portion of a LEGO piece which accepts studs, like the bottom of a plate or brick.
- Symmetrically: a mirror image. Example: If you place a 2x1 brick with technic connector on the front wall at the right, connector to the front, and then place another such piece symmetrically on the back wall, at the right, the technic connector of the second piece should point to the back, since it will be placed symmetrically.
- Centered-vertically: even amount of space in front of and behind piece
- Centered-horizontally: even amount of space left and right of piece.
- Row: studs lined up horizontally (left to right/side to side).
- Column: studs lined up upright or vertically (top to bottom/back to front).

For builders with low vision, or a sighted building partner who may want to follow along with the printed visual instructions that come with each set, PDF versions are always online at [<https://www.lego.com/en-us/service/buildinginstructions/30701>]. As low vision users may benefit from viewing the instructions on a personal device where they can zoom in on content and use assistive technologies to enhance the visuals.

There is an assortment of Technic parts also located in this set. A note on LEGO Technic™ part names. These parts are somewhat different from regular LEGO bricks. Here are some definitions in case the builder or helper is not familiar with LEGO Technic™.

Axles - An axle is a connector which has an X shaped cross-section. Because their cross section is not round, anything connected to an axle using an axle-hole will rotate with that axle. Axles are longer than they are wide, and the length of an axle corresponds with how many bricks long it is. Aka a 3L axle is three bricks long. Axles come in a variety of lengths, with a 2L axle being the shortest available. They may be combined with pins, or have circular stops on them. A stop prevents the axle from sliding through an axle-hole at a specific point on the axle.

Pins - A pin is a connector which has a circular cross section and a flanged notch out of one or both ends. This flanged notch allows them to click into bricks with a pin-hole. Pins come with and without friction ridges, which are small bumps on the pin which prevent them from rotating freely. For standard pins, black is a high friction pin, and grey is a low friction pin. A standard-length pin is two brick lengths long, with a stop in the middle. This prevents a brick from being pushed from one side of the pin to the other. A 1L pin is one brick long and still retains the stop; however, it also includes a hollow stud at the other end. A 3L pin is three bricks long, and only contains a stop at one side, allowing two bricks to be pushed onto the other side of the pin. Pins may also have one side which is an axle.

Axle and Pin Connectors - These elements are typically smaller than lift-arms and are used to connect some combination of pins or axles. They might have pins or axles, as well as axle or pin-holes. They have a lot of different angle combinations! The simplest just connects two axles or pins together in a straight line. The angle axle and pin connectors are usually identified by a raised number, located on one end. These also have a pin hole running 90 degrees through the center of the part at the angle bend location with the axle hole on either end of the part. For these instructions the angle will also be followed by the number located on connector part.

The Bag – The poly bag as a nice light yellow upper right, fading diagonally to a dark rich green in the lower left. The pictures of the 3 items to build are shown prominently displayed on the front. In the upper left, is the LEGO logo, along with the “Botanicals” logo type for the theme. The standard title block area with the set number (30701), 77 piece count and the age “9+” is noted.

To begin a successful build, it helps to sort the pieces into groups, bags or small containers. Have a sighted friend or family member do this in advance following the instructions below. You will see that the pieces should be sorted into groups according to the building steps in the set. Doing this in advance makes locating the pieces easier. See below on how to sort the pieces to correspond to the steps in this set. Number the containers using letters A-Z, numbers or meaningful names. The parts will be collected into a small number of steps in the instructions. Example: Steps 1-3 means collect all the parts used in steps 1, 2 and 3, and put them in one container.

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Bag 1 (3 groups of bricks)

Group 1 contains pieces to build the Dandelion Flower - Steps 1 through 6.

Group 2 contains pieces to build the Golden Wheat Steps 1 through 4.

Group 3 contains pieces to build the Dandelion Puffball Steps 1 through 4.

Group 1 steps 1 through 6 – Build the Dandelion Flower!

1. Locate 3 red 2L notched technic axles and 3 dark green 3L technic axle connectors. Place 1 2L axle into 1 end of the 3L technic axle connector, there will be 1L axle remaining. Place another 3L axle connector on top of the remaining 1L axle. Repeat until all 3 3L axle connectors are connected, with 1L axle remaining on one end.

2. Locate 1 dark green 3L technic axle connector and 1 3L yellow technic axle. Place the 3L axle connector onto the last remaining axle of the part. Then insert the 3L yellow axle into the connector. There will now be a 2L axle remaining.

3. Locate 1 dark brown pneumatic hose connector with axle connector. This is a unique piece. It has an axle connector, that can slide to any position on an axle, and has pneumatic hose connector bars that run perpendicularly to the orientation of the axle hole. If the piece has the axle hole running front to back, the hose connector bars will run left to right (T-shaped bar) vertically centered on the piece. Place the axle into the axle hole of the pneumatic connector, and have the hose connector bars on the left.

4. Locate 1 dark green 3L technic axle connector and 1 red 2L notched technic axle. Place the 3L connector on top of the axle and the PPP. Place the 2L axle into the top of the 3L connector. Set your Dandelion stem aside.

5. Start Building

6. Step 1

7. Make a part, the Dandelion flower. Locate 1 yellow 2 x 2 round flower with 16 petals (sunflower) with open stud and turn it anti-stud up. Place 1 dark tan 3L axle with stud, (the stud part) into the anti-stud.

Step 5.2

Locate 1 yellow 22 tooth beveled technic gear. Place the center pin hole on the axle, with the teeth and bevel of the gear down.

Step 5.3

Locate 1 yellow 22 tooth beveled technic gear. Place the center pin hole on the axle, with the teeth and bevel of the gear up.

Step 5.4

Locate 1 yellow technic 1/2 bush and place it on the axle, securing the gears down on the axle.

Step 5.5

Locate 1 green r2x2 round plate and place it centered on the axle. The 2x2 round plate has an axle hole in the center.

Step 5.6

Locate 1 dark green 3L technic axle connector, and place it on top of the remaining axle of the dandelion flower.

Then connect the Dandelion axle on top of the 1L axle of the stem. The Dandelion Flower is almost complete!

8. Locate 2 green 8x3 palm leaves. These palm leaves have serrated edges and a stem section of 2 aligned open studs. Place the open stud of the 1st palm leaf with the studs facing back, on the pneumatic hose connector bar in the back, on the left of the stem with the palm pointed up and left. Place the 2nd on the palm leaf with the studs facing front, on the pneumatic hose connector bar in the front, with the palm pointed down and left.

The Dandelion Flower is complete! Next on the ear of wheat!

Group 2, Steps 1 through 4. Build the ear of Wheat!

1. Locate 1 gold metallic 6L bar with stop ring and 1 gold metallic crown/eggshell with 5 points and open center stud. The crown piece is also called an eggshell because it resembles the bottom half of a cracked eggshell once a chick has hatched. Orient the 6L bar so that the stop ring is on the bottom, place the crown eggshell with the 5 points up on the bar, and slide it down until it rests on the stop ring of the 6L bar.
2. Locate 1 gold metallic 1x1 cone and place it with the cone up, on the 6L bar. Push the cone down until it meets the crown piece.
3. Locate 3 gold metallic crown/eggshells with 5 point and 3 gold metallic 1x1 cones. Repeat the process of alternately placing a crown piece and then a cone on to the 6L bar until you reach the top of the bar. Remember in the previous step you ended with placing the 1x1 cone. Once you're done, the ear of wheat is completed, with the alternating crown/cone build, ending with the last 1x1 cone on top.
4. Locate 2 gold metallic hilts with studs on both ends and 2 gold metallic 6L bars with stop ring. The hilt piece has open studs on both ends with a small octagonal stop on either side of a 2L bar in the middle. Insert the bar at the bottom of the ear of wheat into the top of the hilt piece. Then place it on the 1st 6L bar with the stop ring on the bottom. Repeat with the 2 hilt piece and the 2nd 6L bar.

That's it! Your ear of Wheat is done! Now on to the last botanical (the most challenging) the Dandelion Puffball!

Group 3, Steps 1 through 4. Build the Dandelion Puffball!

Step 1

Locate 1 brown 1x1 brick with 5 studs, 1 tan 1x1 round plate with open stud and 1 sand green 6L bar with stop ring. Orient the 6L bar so that the stop ring is towards the top, then place the 1x1 round plate on the bar and push it down until it meets the stop ring. Place the 1x1 brick with 5 studs on top of the PPP.

Step 2

Locate 1 tan flower stem with bar and 6 stems and 6 transparent clear 1x1 round tiles with bar. Each of the 6 stems has a rounded end, which is smaller than a bar. The round tile with the bar has a small hole in the bar that we will insert the stem end into. Place 1 round tile with bar, onto each of the 6 stems of the flower stem. Once the part is completed, insert the bar end into the top open stud of the 1x1 brick.

Step 3

Make 4 more duplicate parts. Locate 4 tan flower stems with bar and 6 stems and 24 transparent clear 1x1 round tiles with bar. Place 1 round tile with bar, onto each of the 6 stems of the flower stem. Once the additional 4 puffball parts are completed, insert the bar end of each of the stem parts into each of the remaining open studs of the 1x1 brick. This will require a little navigation, as the stem parts that you just built aren't completely even heights. You may have to slightly rotate each part as it's inserted into the open stud to not run into the other stems already inserted. The last one is the most difficult, as there isn't a lot to hold onto to insert the bar into the last open stud of the 1x1 brick.

Step 4

Locate 2 sand green hilts with studs on both ends and 2 sand green 6L bars with stop ring. Place the 1st hilt on the end of the bar of your puffball. Insert the 6L bar into the open stud at the bottom of the 1st hilt piece, with the stop ring towards the top. Repeat with the last hilt piece and then the last 6L bar. That's it! The Dandelion Puffball is done! The nice thing is no matter how hard you can blow - the puffball won't easy have the seeds drift away! Your 3 field flowers are ready to display!

Congratulations on finishing your build! Would you like to inspire other blind people to build LEGO sets? Let's feature your build on our "Builders page". It's easy and we will do all the work! Just contact us at info@bricksfortheblind.org and together we will make it happen!

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